INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/13551

A. CLA IPC:	SSIFICATION OF SUBJECT MATTER A01N 45/00(2006.01);A61K 31/56(2006.01)			
USPC: According to	514/171 International Patent Classification (IPC) or to both a	national classifica	tion and IPC	
B. FIEL	DS SEARCHED			
Minimum do U.S. : 5	ncumentation searched (classification system followed 14/171	l by classification	symbols)	
Documentati	on searched other than minimum documentation to t	e extent that such	h documents are included i	n the fields searched
Electronic de	ata base consulted during the international search (na	me of data base a	nd, where practicable, sear	ch terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where	appropriate, of th	e relevant passages	Relevant to claim No.
Y	US 5,776,923 A (LABRIE) 07 July 1998 (07.07.19			1-20
Y	US 2003/0022877 A1 (DUDLEY) 30 January 2003 paragraphs0 [0039]-[0043].			1-20
	documents are listed in the continuation of Box C.		extent family annex.	
• s	octal categories of cited documents:	"T" later o	focument published after the interna of in conflict with the application bu	tional filing date or priority date
"A" document	defining the general state of the set which is not considered to be of	princi	ple or theory underlying the invention	X1
"E" earlier app	lication or potent published on or after the international filing date	consid	nest of particular relevance; the clais fered novel or cannot be considered the document is taken alone	med invention cannot be to involve an inventive step
"L" document establish ti specified)	which may throw doubts on priority chains's) or which is cited to be publication date of another offshou or other special reason (as	000000	neat of particular relevance; the claim sered to involve an investive step wi see or more other such documents, s	ten the document is combined
"O" document	referring to an oral disclosure, use, exhibition or other means	to a po	erson skilled in the art	acti continuistion delligedvious
"P" document procity dat	published prior to the internstional filling date but later than the o claumed.	^&." docum	neut member of the sums putent form	ily
Date of the ac	tual completion of the international search	Date of mailing	of the international search	report
22 July 2006		1 07	AUG-ZUUb /	
Mail Com	iling address of the ISA/US Stop PCT, Attn: ISA/US missioner for Patents Box 1450	Leonard M. W	illiams 3/WCf1	1
Alex	ondrio, Virginia 22313-1450 (571) 273-3201	Thicphone No.	(571) 272-1600	\cup 1
rausmille .vo.	(3/1) 2/3-3201	i		- 1

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY		
To:		PCT
LAWRENCE POPE MAYER, BROWN, ROWE & MAW LLP		101
P.O. BOX 2828	WR	ITTEN OPINION OF THE
CHICAGO, IL 60690-2828	INTERNATIO	ONAL SEARCHING AUTHORITY
		(PCT Rule 43bis.1)
	Date of mailing (day/month/year)	07 AUG 2006
Applicant's or agent's file reference	FOR FURTHER	ACTION See paragraph 2 below
06045965 A		
International application No. International filing d	ate (day/month/year)	Priority date (day/month/year)
PCT/US06/13551 11 April 2006 (11.04	4,2006)	12 April 2005 (12.04.2005)
International Patent Classification (IPC) or both national classif	ication and IPC	
IPC: A01N 45/00(2006.01); A61K 31/56(2006.01) USPC: 514/171		
Applicant		
UNIMED PHARMACEUTICALS, INC.		
This opinion contains indications relating to the following	items:	
Box No. I Basis of the opinion		
Box No. II Priority		
Box No. III Non-establishment of opinion wi	th regard to novelty, inve	ntive step and industrial applicability
Box No. IV Lack of unity of invention		
Box No. V Reasoned statement under Rule 4 applicability; citations and explai	3bis.1(a)(i) with regard to nations supporting such a	to novelty, inventive step or industrial statement
Box No. VI Certain documents cited		
Box No. VII Certain defects in the internation	al application	
Box No. VIII Certain observations on the intern	netional application	
 FURTHER ACTION If a demand for international preliminary examination is International Preliminary Examining Authority ("IPEA Authority other than this one to be the IPEA and the oh that written opinions of this International Searching Author 	orn IPEA has notified t	the International Bureau under Rule 66.1bis(b)
If this opinion is, as provided above, considered to be a IPEA a written reply together, where appropriate, with au of Form PCT/ISA/220 or before the expiration of 22 months.	written opinion of the l mendments, before the e ths from the priority date	IPEA, the applicant is invited to submit to the xpiration of 3 months from the date of mailing , whichever expires later.
For further options, see Form PCT/ISA/220.		
3. For further details, see notes to Form PCT/ISA/220.		
Name and mailing address of the ISA/ US Date of co	impletion of this opinion	Autiforized officer / SUM
Meil Stop PCT, Attn: ISA/US	106 (22.07.2006)	Leonard M. Williams
P O Rex 1450		V (571) 272-1600
Alexandria, Virginia 22313-1450		Telephone No. (571) 272-1600 //

Facsimile No. (571) 273-3201 Form PCT ISA 237 (cover sheet) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US06/13551

Box No. I Basis of this opinion
DOX IVO. 1 Dasse of time specific
1. With regard to the language, this opinion has been established on the basis of:
No. in the language in which it was filed
e translation of the international application into, which is the language of a translation furnished for the purposes of
international search (Kules 12.3(a) and 23.1(b)).
With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been catabilished on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
c. time of filing/furnishing
contained in the international application as filed.
liled together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application, No. PCT/US06// 3 5 5/

applicability; citations and expl	апаноня вирре	neing such seasoment	
Statement			
Novelty (N)	Claims	1-20	
	Claims	NONE	
Inventive step (IS)	Claims	NONE	
	Claims	1-20	ио
Industrial applicability (IA)	Claims	1-20	YB
inquatin approaching (ii s)	Claims	NONE	NO
laims 1-20 lack an inventive step under PCT Art te abstract, steroid precursors for use in the treate steoporosis, urinary incontinance, ovarian cancer	, uterine cancer,	skin atrophy, for conception, and in combi	nation with an estrogen
Citations and explanations: Ilaims 1-20 lack an inventive step under PCT Art the abstract, steroid precursors for use in the treat steoperous, uriany incominance, ovarian enacer, orgestin for the treatment off menopases. The co anademal patches for pervulaneous and uranside the column 27 lims 5-40 column 28 lims 6-5, oxamples an HEA, 3% propylene glycol, 0.2% Carbomer 346.	nent and/or preve , uterine cancer, a mpositions are to mal administration to topical compos 1, 40% water, 0.2	stina atrophy, for conception, and in combi- ble formulated into gels, solutions, creams m. Pharmaceutical compositions and kits stitunes are taught including example 15 wh tirethanolamine, 2% PPG-12-Butch-16,	nation with an estrogen s, ointments and are contemplated. In terein a gel contains 10% 1% hydroxypropyl and
laims 1-20 lack an inventive step under PCT Art ne abstract, steroid precursors for use in the treat steoporosis, urinary incontinance, ovarian cancer rogestin for the treatment of menopause. The co- ransdermal patches for percutaneous and transder olumn 27 line 55-column 28 line 45, examples as patches, 3% propplene glycol, 0.2% Carbomer 946	nent and/or preve , uterine cancer, s mpositions are to mal administratic te topical compose 1, 40% water, 0.2' icle 33(3) as bein titions for treating the testosterone es for treatment of	ikin atrophy, for conception, and in combi- be formulated into gels, solutions, ceams a. Pharmacoulcul compositions and kits dittiens are taught including example 15 will divisible and the properties of the control of the g obvious over Dudley (US 2003/002287 p. preventing or reducing the risk of develo synthetic pathway. In paragraphe 0039-0 for the forestimation of the control of the control of the control of the totatement deficiency. The testosteron	nation with an estrogen of, ointments and are contemplated. In terein a gel contains 10%, 1% hydroxypropyl and 7). Dudley teaches, in thing a testosterone 043. Dudley teaches topi
Islams 1-20 lack an inventive step under PCT. Art se abstaced, strend presentors for see in the treats a basic seed of the present of the seed of the regardin for the treatment of menopause. The co- randermal patches for perotinanous and transder olumn 27 lims 5-column 28 lims 64, complete are DHEA, 5% propylene glycol, 0.2% Carbonner 946 1.6% ethanol. 16% of the column 28 lims 64, complete are better than 1-20 lack as inventive step under PCT Art batract, methods, litts, combinations, and compose deficient disorder the administration of a to familia	nent and/or preve , uterine cancer, s mpositions are to mal administratic to topical compos 1, 40% water, 0.2° icle 33(3) as bein titions for treating a the testosterone es for treatment chancers, stabilize	ham in Nay the ecologistics sed in combi- tion to Nay the ecologists, sed in combi- ing the plat splittings, ceaning. Pharmaceutical compositions and lists intions are stugist including example 15 with the triethanolamine, 2% PPO-12-Buteh-16, g obvious over Dudley (US 2003/002287 preventing or reducing the risk of developing the properties of the prop	mation with an estrogen is, ointments and are contemplated. In serie in a gel contains 10%, 11% hydroxypropyl and 7). Dudley teaches, in the ping a testosterone 043, Dudley teaches topic occurs on the formulated as a
Islam I. 200 look an invositive step under PCT. Art is endured, stemoly procussors for use in the treats ateogenosis, urianay incontinance, ovarian enacer orgenia for the teatment off menopases. The co annadermal patches for provinanceus and transder help of the provinanceus and transder the provinanceus and transder that the provinceus and transders that the provinceus and the provinceus and transders that the provinceus and transders that the provinceus and the provi	nent and/or preve , uterine cancer, s mpositions are to mal administratic to topical compos 1, 40% water, 0.2° icle 33(3) as bein titions for treating a the testosterone es for treatment chancers, stabilize	ham in Nay the ecologistics sed in combi- tion to Nay the ecologists, sed in combi- ing the plat splittings, ceaning. Pharmaceutical compositions and lists intions are stugist including example 15 with the triethanolamine, 2% PPO-12-Buteh-16, g obvious over Dudley (US 2003/002287 preventing or reducing the risk of developing the properties of the prop	mation with an estrogen is, ointments and are contemplated. In serie in a gel contains 10%, 11% hydroxypropyl and 7). Dudley teaches, in the ping a testosterone 043, Dudley teaches topic occurs on the formulated as a